

2818

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/033,323
Filing Date	12/28/2001
First Named Inventor	Rueckes, et al.
Group Art Unit	2818
Examiner Name	Not Yet Assigned
Attorney Docket Number	112020.127/NAN-4

Total Number of Pages in This Submission

ENCLOSURES (check all that apply)

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☐ Amendment / Reply
- ☐ After Final
- ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/ Incomplete Application
- ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Assignment Papers (for an Application)
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
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- ☐ After Allowance Communication to Group
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (please identify below):
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Remarks

1. Form PTO-1449 (21 pages)
2. Copies of 539 publications

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Rueckes, Thomas et al.

Serial No.: 10/033,323

Examiner: Unassigned

Filed: December 28, 2001

Group Art Unit: 2818

For: ELECTROMECHANICAL THREE-TRACE JUNCTION DEVICES

Attorney Docket No. 112020.127 / NAN-4

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INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97-98, Applicants bring to the attention of the Examiner the following publications listed on the attached Form PTO-1449.

This submission does not represent that a search has been made or that no better art exists and does not constitute "prior art". Applicants reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed publications, should one or more of the publications be applied against the claims of the present application.

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Copies of the publications listed on the attached Form PTO-1449 are submitted herewith. It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO-1449 with the next Patent Office communication.

It is Applicants' belief that that this Information Disclosure Statement is being filed prior to the mailing of the first Office Action on the merits and is therefore submitted as both timely and proper; thus, no fees are believed to be due. However, in the event of a fee deficiency, the Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 08-0219.

Respectfully submitted,

Dated: July 3, 2003

A handwritten signature in dark ink, appearing to read "Peter M. Dichiaro", written over a horizontal line.

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Docket Number
112020.127 NAN-4Application Number
10/033,323INFORMATION DISCLOSURE
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Applicant

Thomas Rueckes et al.

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Sheet 1 OF 21

U.S. Patent Documents

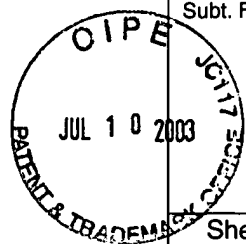
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	5,946,930	09/07/99	Anthony	62	293	
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Applicant

Thomas Rueckes et al.

Filing Date

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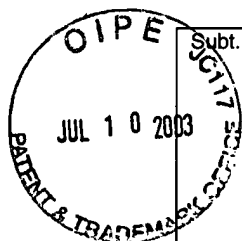
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Applicant
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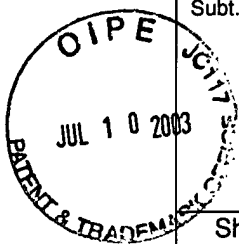
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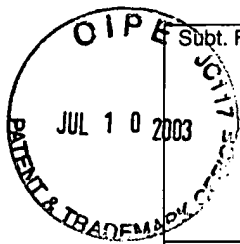
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INFORMATION DISCLOSURE IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Applicant Thomas Rueckes et al.			
				Filing Date December 28, 2001		Group Art Unit 2818	
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	5,699,317	12/16/97	Sartore et al.	365	230.06	
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
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Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

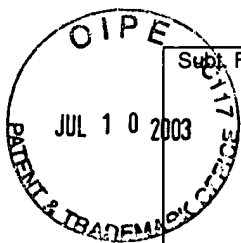
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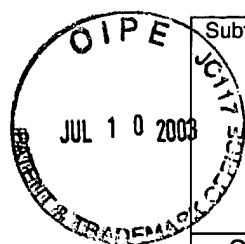
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A2	"Double Sided 4Mb SRAM Coupled Cap PBGA Card Assembly Guide." International Business Machines Corp. (IBM), 1998.
A3	Tyagi <i>et al.</i> "A 130nm Generation Logic Technology Featuring 70nm Transistors, Dual Vt Transistors and 6 Layers of Cu Interconnects." Portland Technology Development.
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A5	Wei, Chengyu <i>et al.</i> "Temperature and Stain-Rate Dependent Plastic Deformation of Carbon Nanotube."
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A7	Dipert, Brian. "Exotic Memories, Diverse Approaches." EDN Magazine. April 26, 2001, 56-70.
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A13	Cui, Yi. "Doping and Electrical Transport in Silicon Nanowires." The Journal of Physical Chemistry B (2000); Vol. 104, No. 22: 5213-5216.
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A15	"8 Mb Synchronous Communication SRAM (IBM0418A86LQKA, IBM0418A86SQKA, IBM0436A86IQKA, IBM0436A86SQKA)." International Business Machines Corp. (IBM), 1999.
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A22	Odom, Teri Wang <i>et al.</i> "Magnetic Clusters on Single-Walled Carbon Nanotubes: The Kondo Effect in a One-Dimensional Host." Science (2000); 290: 1549-1552.
A23	Wong, Eric <i>et al.</i> "Nanobeam Mechanics: Elasticity, Strength, and Toughness of Nanorods and Nanotubes." Science (1997); 277: 1971-1975.
A24	Hu, Jiangtao <i>et al.</i> "Controlled Growth and Electrical Properties of Heterojunctions of Carbon Nanotubes and Silicon Nanowires." Nature (1999); 399: 48-51.
A25	Rueckes, Thomas <i>et al.</i> "Carbon Nanotube-Based Nonvolatile Random Access Memory for Molecular Computing." Science (2000); 289: 94-7.
A26	Kim, Philip <i>et al.</i> "Nanotube Nanotweezers." Science (1999); 286: 2148-2150.
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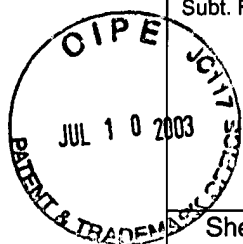
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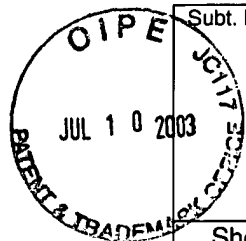
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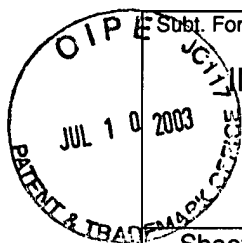
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Subl. For, PTO-1449

INFORMATION DISCLOSURE
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112020.127 NAN-4Application Number
10/033,323Applicant
Thomas Rueckes et al.Filing Date
December 28, 2001Group Art Unit
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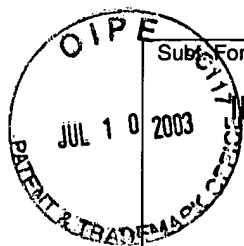
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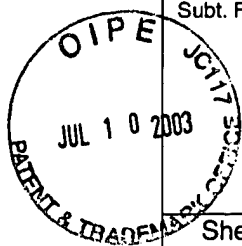
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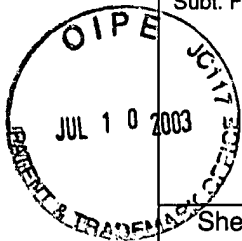
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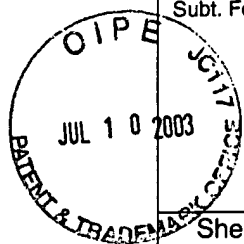
Subt. For, PTO-1449				Docket Number 112020.127 NAN-4	Application Number 10/033,323
INFORMATION DISCLOSURE IN AN APPLICATION (Use several sheets if necessary)				Applicant Thomas Rueckes et al.	
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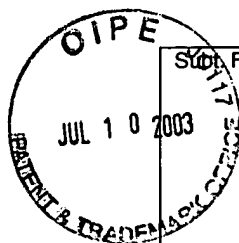
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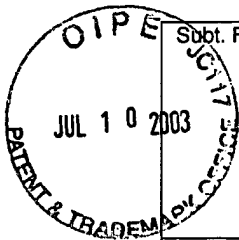
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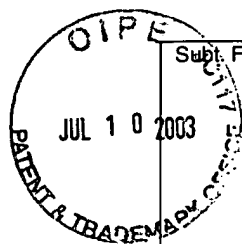
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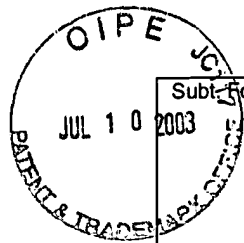


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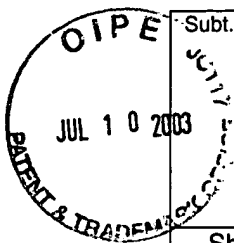
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Subt. For, PTO-1449				Docket Number 112020.127 NAN-4	Application Number 10/033,323
INFORMATION DISCLOSURE IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Applicant Thomas Rueckes et al.	
				Filing Date December 28, 2001	Group Art Unit 2818
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